

Title (en)

ELECTRODE SUBSTRATE FOR PHOTOELECTRIC CONVERSION DEVICE, METHOD FOR MANUFACTURING ELECTRODE SUBSTRATE FOR PHOTOELECTRIC CONVERSION DEVICE, AND PHOTOELECTRIC CONVERSION DEVICE

Title (de)

ELEKTRODENSUBSTRAT FÜR FOTOELEKTRISCHEN WANDLER, VERFAHREN ZUR HERSTELLUNG EINES ELEKTRODENSUBSTRATS FÜR FOTOELEKTRISCHEN WANDLER UND FOTOELEKTRONISCHER WANDLER

Title (fr)

SUBSTRAT D'ÉLECTRODE POUR DISPOSITIF DE CONVERSION PHOTOÉLECTRIQUE, PROCÉDÉ DE FABRICATION DE SUBSTRAT D'ÉLECTRODE POUR DISPOSITIF DE CONVERSION PHOTOÉLECTRIQUE, ET DISPOSITIF DE CONVERSION PHOTOÉLECTRIQUE

Publication

EP 2214250 A1 20100804 (EN)

Application

EP 08849218 A 20081114

Priority

- JP 2008070757 W 20081114
- JP 2007296440 A 20071115

Abstract (en)

A method of manufacturing an electrode substrates for a photoelectric conversion element which includes: forming a transparent conductive layer and a collector wire on a substrate; forming a porous oxide semiconductor layer on different portions of the transparent conductive layer from portions on which the collector wire is formed; firing the porous oxide semiconductor layer; forming a protective layer composed of an insulating resin having thermal resistance at 250 °C or higher so as to cover the collector wire after the firing; and after forming the protective layer, allowing adsorption of dyes in the porous oxide semiconductor layer, and heating the substrate at 250 °C or higher during or after the formation of the protective layer and before allowing adsorption of the dyes in the porous oxide semiconductor layer.

IPC 8 full level

H01M 14/00 (2006.01); **H01G 9/20** (2006.01); **H01L 31/04** (2014.01); **H01M 50/528** (2021.01)

CPC (source: EP US)

H01G 9/2027 (2013.01 - EP US); **H01G 9/2031** (2013.01 - EP US); **H01M 14/005** (2013.01 - EP US); **Y02E 10/542** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Cited by

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2214250 A1 20100804; **EP 2214250 A4 20140305**; AU 2008321843 A1 20090522; AU 2008321843 B2 20111208; CN 101861677 A 20101013; CN 101861677 B 20131106; JP 5184548 B2 20130417; JP WO2009063973 A1 20110331; KR 20100069706 A 20100624; TW 200935609 A 20090816; US 2010218823 A1 20100902; WO 2009063973 A1 20090522

DOCDB simple family (application)

EP 08849218 A 20081114; AU 2008321843 A 20081114; CN 200880116152 A 20081114; JP 2008070757 W 20081114; JP 2009541185 A 20081114; KR 20107010391 A 20081114; TW 97144128 A 20081114; US 78057010 A 20100514